



9-16-05

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

DONNELLY et al.

Serial No.: 10/650,011

Filed: August 26, 2003

Atty. File No.: 5107-4

For: "METHOD FOR MONITORING
AND CONTROLLING LOCOMOTIVES"

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

) Group Art Unit: 3617

)

) Examiner: ROBERT, JR., J. McCARRY

)

) TENTH SUPPLEMENTAL INFORMATION

) DISCLOSURE STATEMENT

)

)

) "EXPRESS MAIL" MAILING LABEL NUMBER:
) DATE OF DEPOSIT:

I HEREBY CERTIFY THAT THIS PAPER OR FEE IS BEING
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P.O. BOX 1450, ALEXANDRIA, VA 22313-1450

TYPED OR PRINTED NAME: Shannon R. Walker

SIGNATURE: Shannon R. Walker

Dear Sir:

The references cited on attached Form PTO-1449 are being called to the attention of the Examiner.

☒ Copies of the cited non-patent and/or foreign references are enclosed herewith.

☐ Copies of the cited U.S. patents and/or patent applications are enclosed herewith.

☒ Copies of the cited U.S. patents/patent application publications are not enclosed in accordance with the waivers dated July 11, 2003 and October 19, 2004, whereby patent applications filed, regardless of the filing date, need not submit copies of U.S. patents and U.S. patent application publications.

☐ Copies of the cited references are not enclosed, in accordance with 37 C.F.R. 1.98(d), because the references were cited by or submitted to the U.S. Patent and Trademark Office in prior application Serial No. _____ filed _____, which is relied upon for an earlier filing date under 35 U.S.C. § 120.

☒ To the best of applicants' belief, the pertinence of the foreign-language references are believed to be summarized in the attached English abstracts and in the figures, although applicants do not necessarily vouch for the accuracy of the translation.

☐ Examiner's attention is drawn to the following co-pending applications, copies of

which have been or are being submitted:

Serial No. _____ filed _____

Serial No. _____ filed _____

☐ Other: _____

Submission of the above information is not intended as an admission that any item is citable under the statutes or rules to support a rejection, that any item disclosed represents analogous art, or that those skilled in the art would refer to or recognize the pertinence of any reference without the benefit of hindsight, nor should an inference be drawn as to the pertinence of the references based on the order in which they are presented. Submission of this statement should not be taken as an indication that a search has been conducted, or that no better art exists.

It is respectfully requested that the cited information be expressly considered during the prosecution of this application and the references made of record therein.

FEEES

<input checked="" type="checkbox"/>	<p>37 CFR 1.97(b): No fee is believed due in connection with this submission, because the information disclosure statement submitted herewith is satisfies one of the following conditions ("X" indicates satisfaction):</p> <ul style="list-style-type: none"><input type="checkbox"/> Within three months of the filing date of a national application other than a continued prosecution application under 37 CFR 1.53(d), or<input type="checkbox"/> Within three months of the date of entry into the national stage of an international application as set forth in 37 CFR 1.491 or<input type="checkbox"/> Before the mailing date of a first Office Action on the merits, or<input checked="" type="checkbox"/> Before the mailing of a first Office action after the filing of a request for continued examination under 37 CFR 1.114. <p>Although no fee is believed due, if any fee is deemed due in connection with this submission, please charge such fee to Deposit Account 19-1970.</p>
<input type="checkbox"/>	<p>37 CFR 1.97(c): The information disclosure statement transmitted herewith is being filed after all the above conditions (37 CFR 1.97(b)), but before the mailing date of one of the following conditions:</p> <ul style="list-style-type: none">(1) a final action under 37 C.F.R. 1.113 or(2) a notice of allowance under 37 C.F.R. 1.311, or(3) an action that otherwise closes prosecution in the application. <p>This Information Disclosure Statement is accompanied by:</p> <ul style="list-style-type: none"><input type="checkbox"/> A Certification (below) as specified by 37 C.F.R. 1.97(e). Although no fee is believed due, if any fee is deemed due in connection with this submission, please charge such fee to Deposit Account 19-1970. <p style="text-align: center;">OR</p> <ul style="list-style-type: none"><input type="checkbox"/> Please charge Deposit Account 19-1970 in the amount of \$180.00 for the fee set forth in 37 C.F.R. 1.17(p) for submission of an information disclosure statement. Please credit any overpayment or charge any underpayment to Deposit Account 19-1970.
<input type="checkbox"/>	<p>37 CFR 1.97(d): This Information Disclosure Statement is being submitted after the period specified in 37 CFR 1.97(c).</p> <ul style="list-style-type: none"><input type="checkbox"/> This information Disclosure Statement includes a Certification (below) as specified by 37 C.F.R. 1.97(e) <p style="text-align: center;">AND</p> <ul style="list-style-type: none"><input type="checkbox"/> Applicants hereby requests consideration of the reference(s) disclosed herein. Please charge Deposit Account 19-1970 in the amount of \$180.00 under 37 C.F.R. 1.17(p). Please credit any overpayment or charge any underpayment to Deposit Account 19-1970. Election to pay the fee should not be taken as an indication that applicant(s) cannot execute a certification.



Certification (37 C.F.R. 1.97(e))
(Applicable only if checked)

☐ The undersigned certifies that:

☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement. 37 C.F.R. 1.97(e)(1).

☐ A copy of the communication from the foreign patent office is enclosed.

OR

☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this Information Disclosure Statement was known to any individual designated in 37 C.F.R. 1.56(c) more than three months prior to the filing of this statement. 37 C.F.R. 1.97(e)(2).

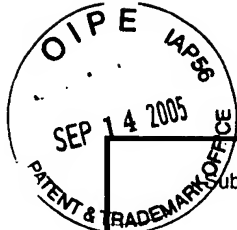
Respectfully submitted,

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Date: 9-14-05



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Sheet

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of

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Complete if Known

Application Number	10/650,011
Filing Date	August 26, 2003
First Named Inventor	Donnelly
Art Unit	3617
Examiner Name	McCarry Jr. Robert J.
Attorney Docket Number	5107-4

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee of Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1.	US-3,832,625	08-27-1974	Gyugyi	
	2.	US-4,096,423	06-20-1978	Bailey et al.	
	3.	US-4,417,194	11-22-1983	Curtiss et al.	
	4.	US-5,510,203	04-23-1996	Shinji	
	5.	US-5,580,677	12-03-1996	Nobuyasu	
	6.	US-6,211,646	04-03-2001	Katsumi	
	7.	US-6,879,054	04-12-2005	Gosselin	
	8.	US-6,909,200	06-21-2005	Bouchon	
	9.	US-60/600,330		Donnelly	Filed 08-09-2004
	10.	US-60/607,194		Donnelly	Filed 09-03-2004
	11.	US-60/616,173		Donnelly	Filed 10-04-2004
	12.	US-60/618,631		Donnelly	Filed 10-13-2004
	13.	US-60/618,632		Donnelly	Filed 10-13-2004
	14.	US-60/674,837		Donnelly	Filed 04-25-2005

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ ; Number ⁴ ; Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	15.	PCT - WO 04/042890	05-21-2004	Donnelly		
	16.	EP - 0 348 938	01-03-1990	Loher AG		

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

Examiner Initials*	Cite No. ¹	
	17.	"Lead-Acid Battery State of Charge vs. Voltage", Richard Perez, Home Power #36, August/September 1993.

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference is considered, whether or not citation is in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Complete if Known	
				Application Number	10/650,011
				Filing Date	August 26, 2003
				First Named Inventor	Donnelly
				Art Unit	3617
				Examiner Name	McCarry Jr. Robert J.
Sheet	2	of	2	Attorney Docket Number	5107-4

	18.	"Thermal Evaluation of the Honda Insight Battery Pack" M.D. Zolot et. al. National Renewable Energy Laboratory, Presented at the 36th Intersociety Energy Conversion Engineering Conference, Savannah Georgia, July 29 to Aug 2 2001.
	19.	"Development of a New Battery System for Hybrid Vehicle", Tomokazu Yamauchi et al, Toyota, presented at the EVS 17 in Montreal, Oct. 2000
	20.	"Supercapacitive Energy Storage for Diesel-Electric Locomotives", Destraz, Barrade and Rufer, Swiss Federal Institute of Technology, paper presented at SPEEDAM 2004, June 16, Capri, Italy.
	21.	Press Release: "French Railway Company Voies Ferees Legeres et Industrielles (VFLI) Puts Its Trust in Deutch Engines", June 2003
	22.	"LNG as a Fuel for Railroads: Assessment of Technology Status and Economics", Pera and Moyer, Acurex Corporation, 1993, Gas Research Institute contract number 5091-292-2153
	23.	"Comparative Economic Assessment of a Natural Gas Fueled Locomotive with On-Board CNG Storage to Diesel and LNG Variants", Donnelly et al, IEEE/ASME Joint Railroad Conference, Baltimore, April 1995
	24.	"Linear/Switchmode Voltage Regulator Handbook" Motorola, Inc. 1982
	25.	"The Control of Switched Reluctance Drives and their Use for Flywheel Energy Storage", Brabandere et al,
	26.	"Performance and Control of the Switched Reluctance Motor", Dahdah et al, University of Western Sydney, Australia
	27.	"Design of Switched Reluctance Motors and Development of a Universal Controller for Switched Reluctance and Permanent Magnet Brushless DC Motors', Phd Dissertation, Virginia Polytechnic Institute and State University, Prahveen Vijayraghavan, Blacksburg, VA, November 2001.
	28.	"Li-Ion Battery-Powered Buck-Boost Regulator Minimizes Portable Product Size", Chen, IIC-China/ESC-China Conference Proceedings, 2002.

Examiner Signature		Date Considered	
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